

1/25

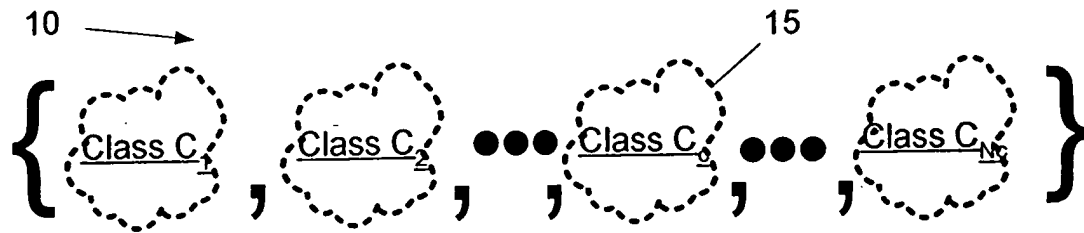


FIG. 1

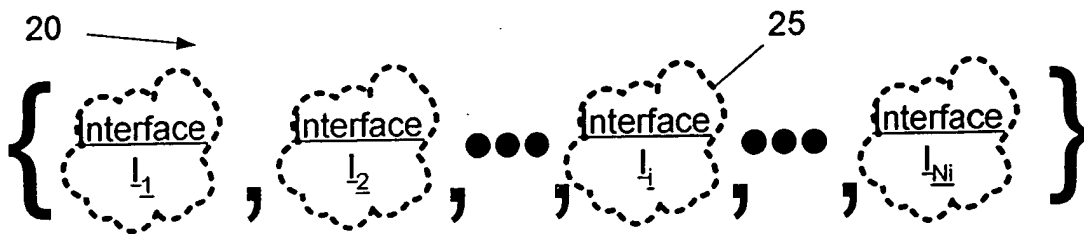


FIG. 2

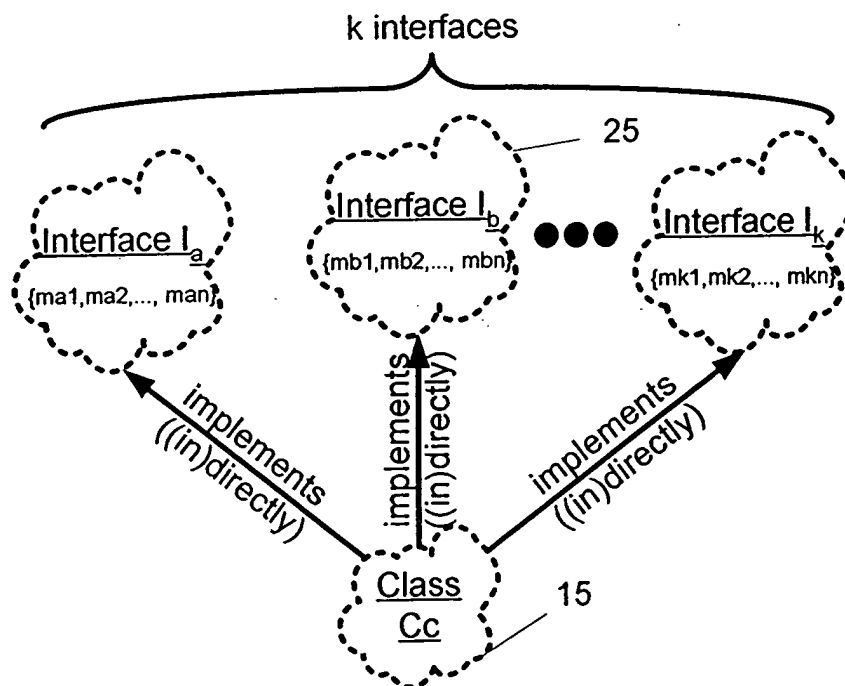


FIG. 3

2/25

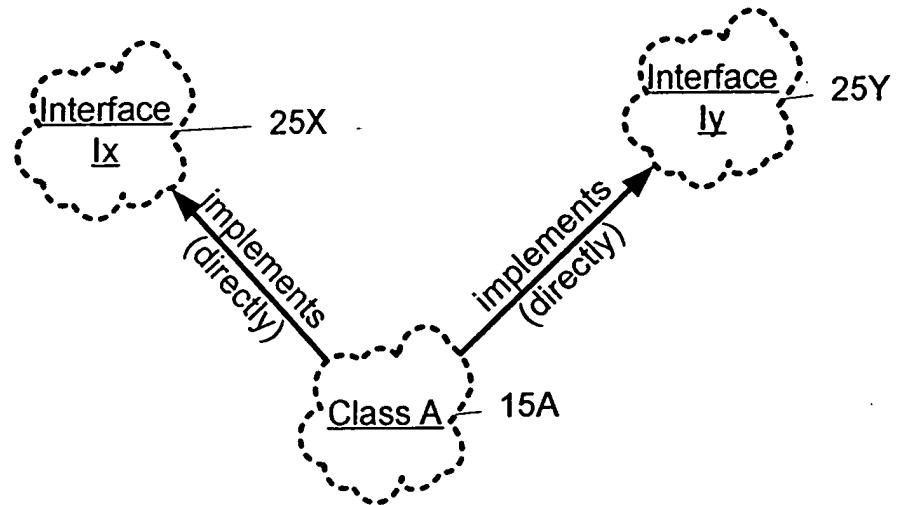


FIG. 4

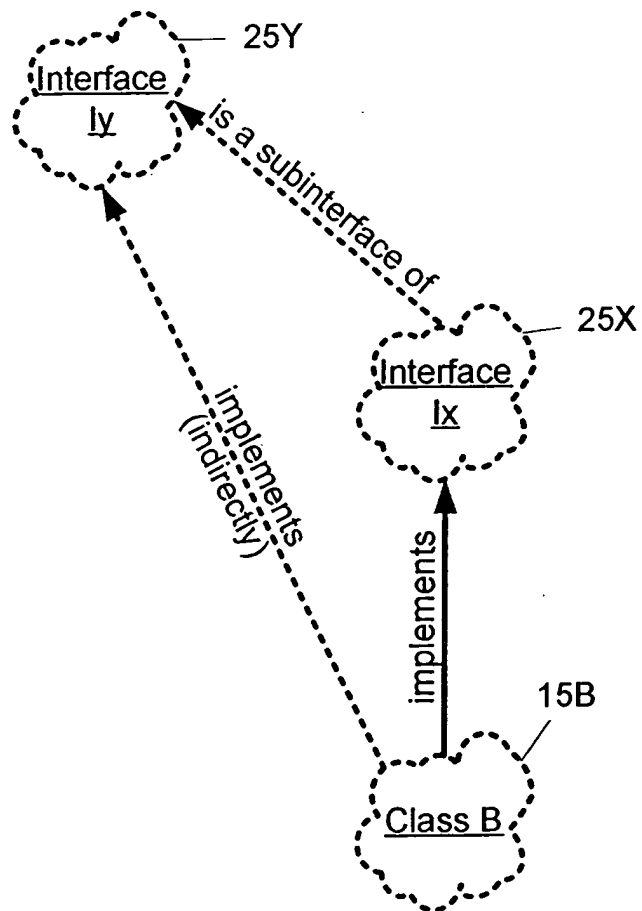


FIG. 5

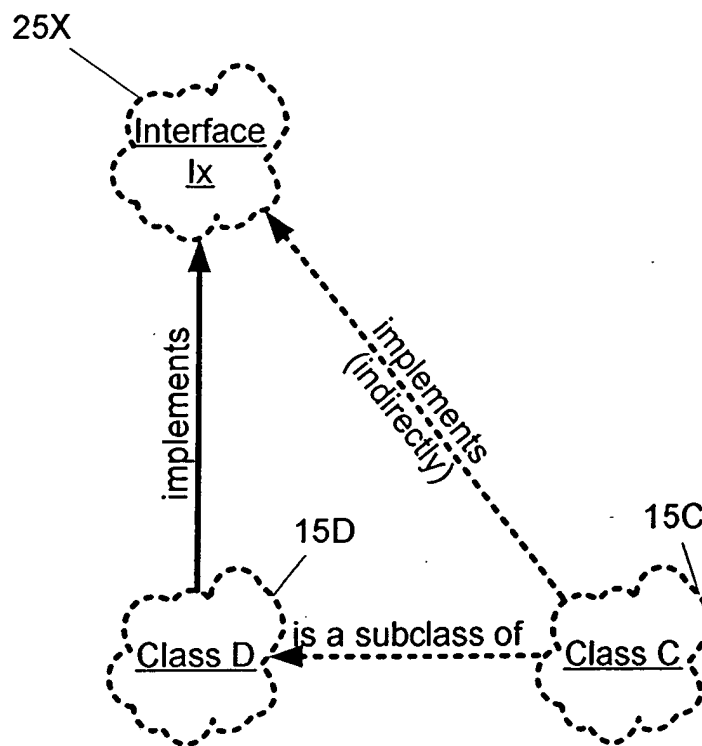


FIG. 6

4/25

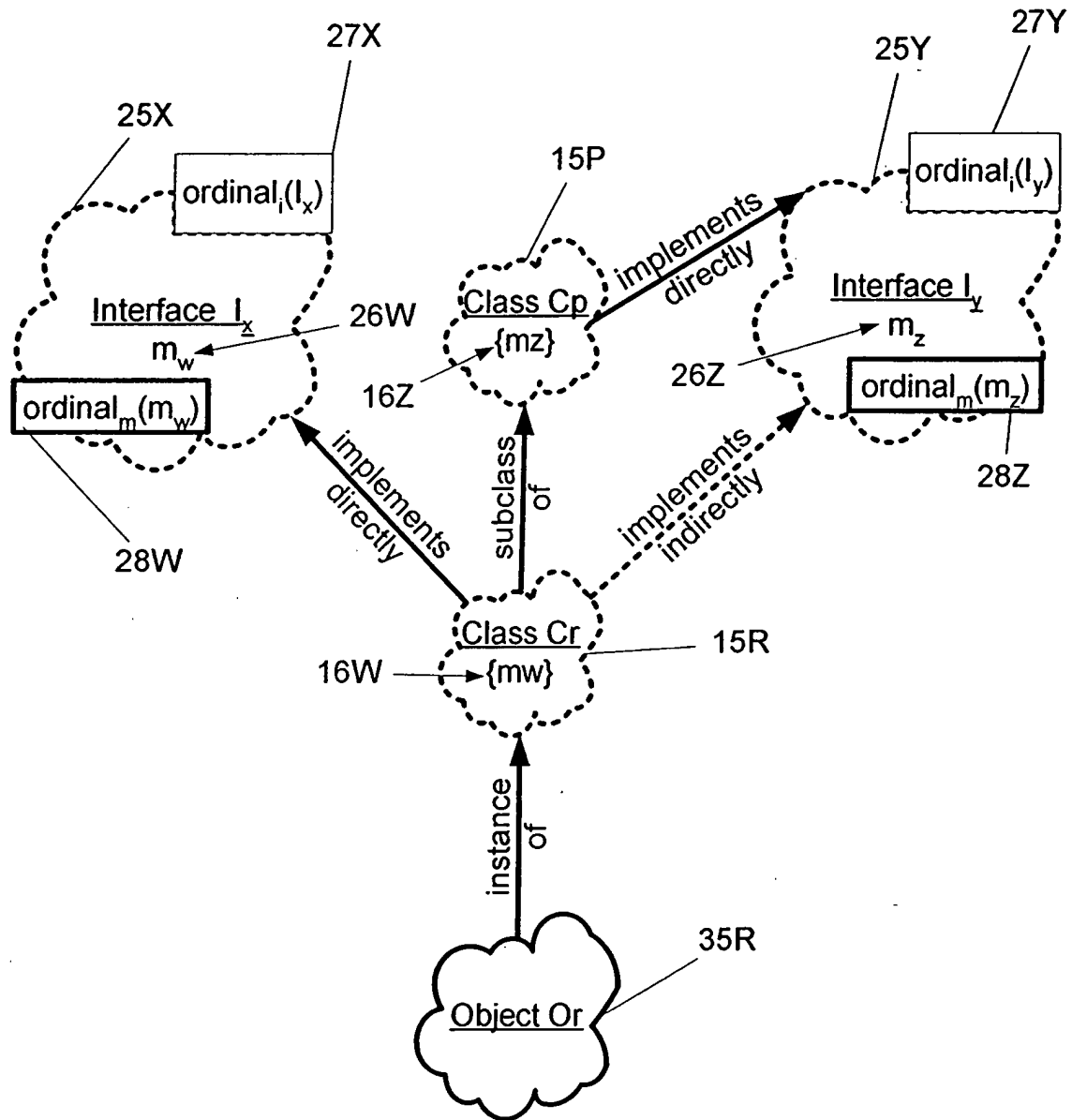


FIG. 7

5/25

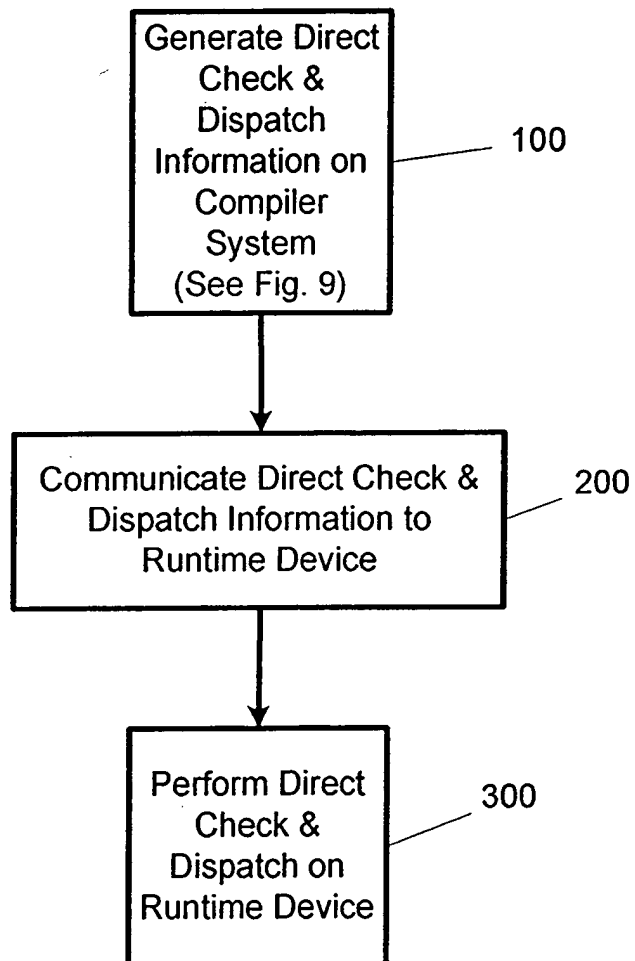


FIG. 8

6/25

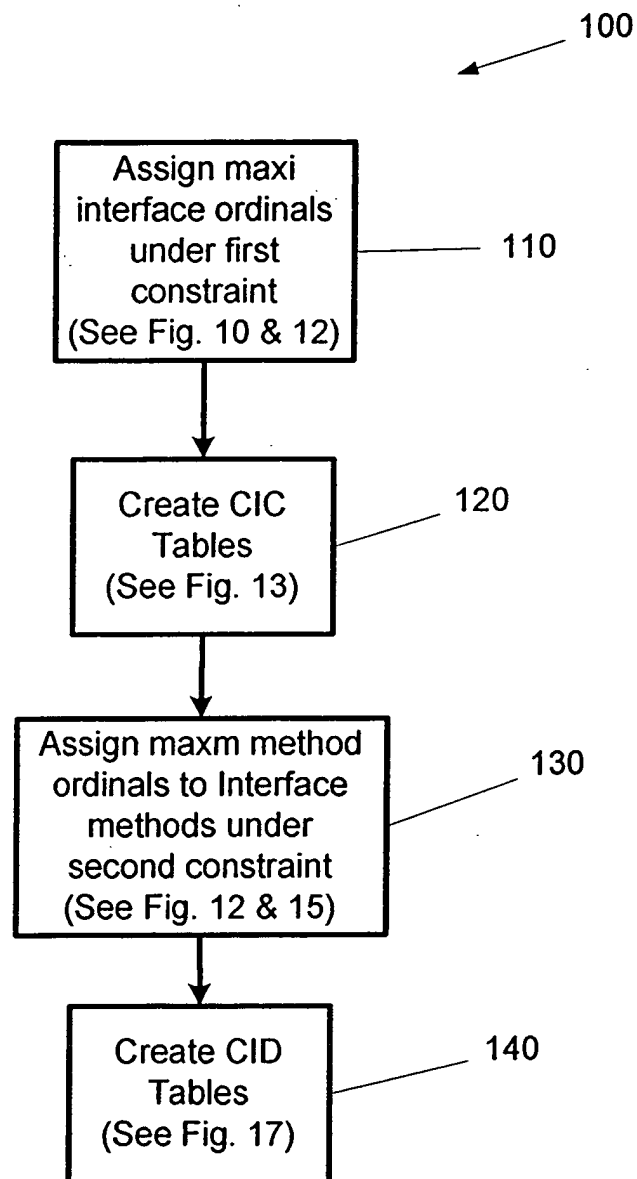


FIG. 9

7/25

## FIRST CONSTRAINT

$$\left\{ \begin{array}{l} \forall I_x, I_y, C_r | \\ C_r \text{ implements } I_x \wedge C_r \text{ implements } I_y \\ \Rightarrow \\ (\text{ordinal}_i(I_x) < \text{ordinal}_i(I_y)) \\ \wedge \\ (\text{ordinal}_i(I_x), \text{ordinal}_i(I_y) \in \{0, 1, \dots, \max_i\}) \end{array} \right\} \quad 115$$

FIG. 10

117

Interface ordinals	
ordinal	Interfaces
0	$\{I_{a0}, I_{b0}, I_{c0}, \dots, I_{d0}\}$
1	$\{I_{a1}, I_{b1}, I_{c1}, \dots, I_{d1}\}$
...	...
$\text{ordinal}_i(I_x)$	$I_x$
...	...
$\text{ordinal}_i(I_y)$	$I_y$
...	...
$\max_i$	$I_{d\max_i}$

FIG. 11

8/25

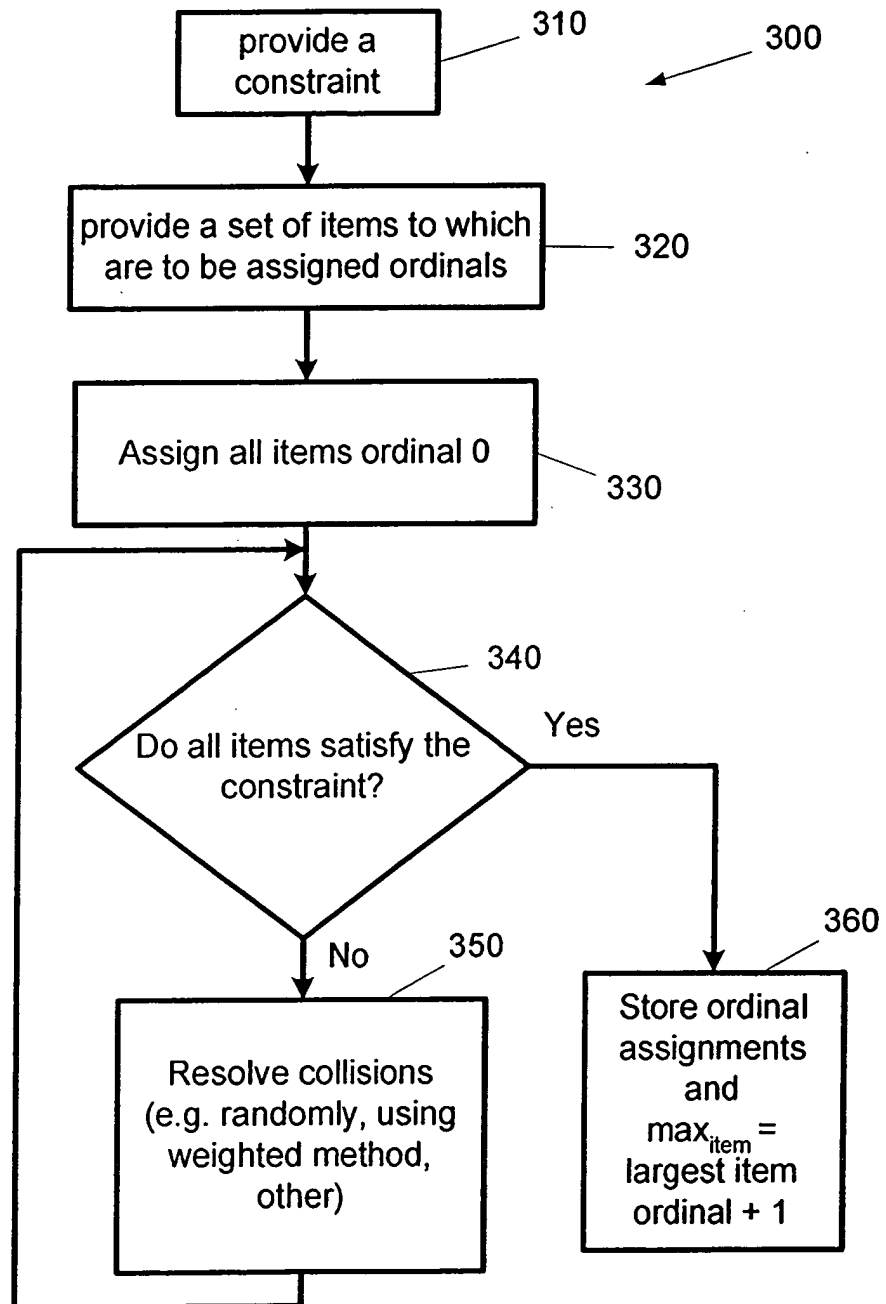


FIG. 12



9/25

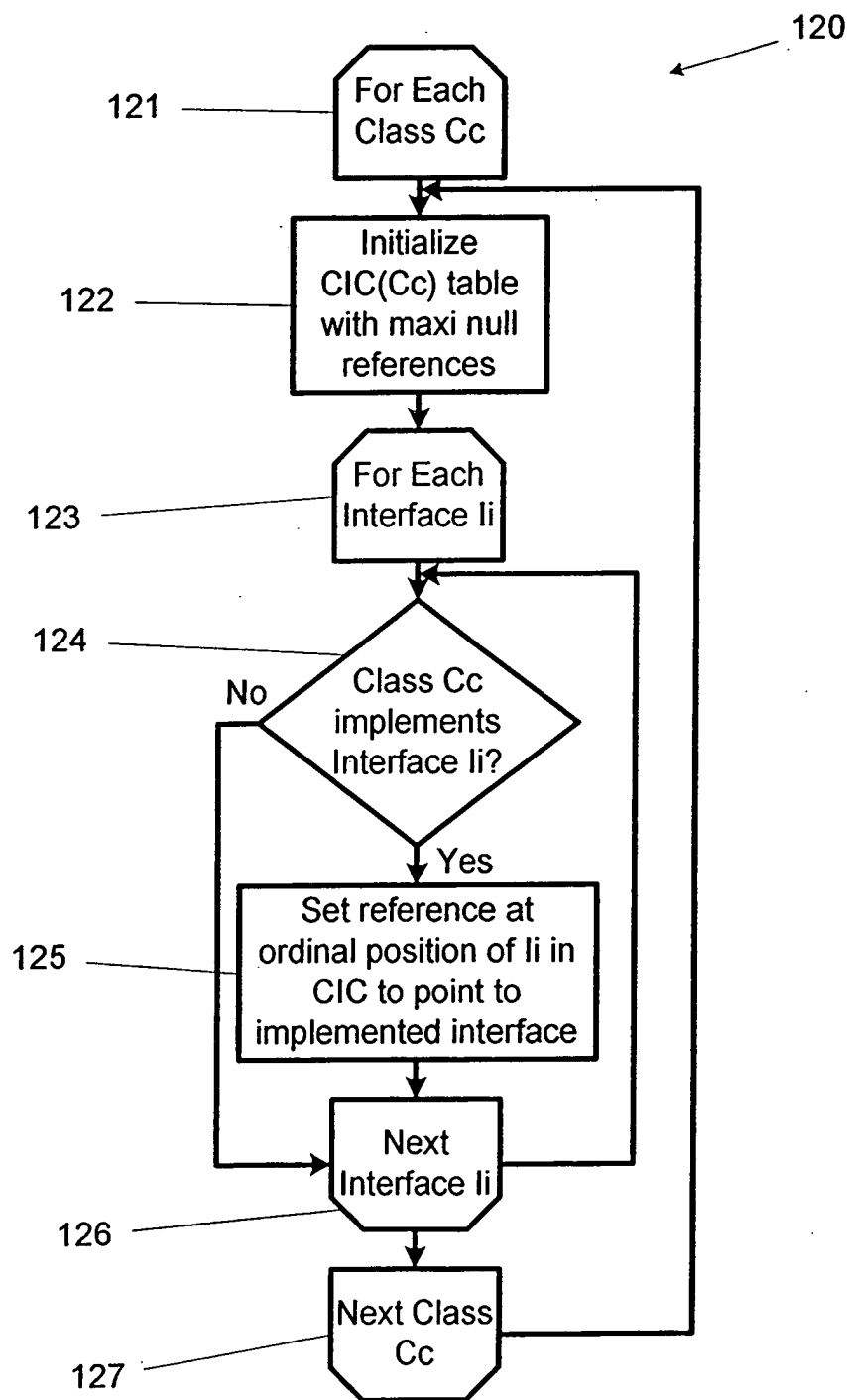
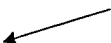


FIG. 13

10/25

128



GIC(Cr)	
ordinal	@
0	null
1	null
...	...
$\text{ordinal}_i(I_x)$	$@I_x$
...	...
$\text{ordinal}_i(I_y)$	$@I_y$
...	...
$\text{max}_i$	null

FIG. 14

11/25

SECOND CONSTRAINT

$$\left\{ \begin{array}{l} \forall C_r, I_x, I_y, m_w \in I_x, m_z \in I_y \\ (C_r \text{ implements } I_x \wedge C_r \text{ implements } I_y) \\ \Rightarrow \\ (\text{ordinal}_m(m_w) \diamond \text{ordinal}_m(m_z)) \\ \wedge \\ (\text{ordinal}_m(m_w), \text{ordinal}_m(m_z) \in \{0, 1, \dots, \max_{mi}\}) \end{array} \right\}$$

135

FIG. 15

137

Method ordinals	
ordinal <sub>m</sub>	Method signatures
0	{m <sub>a0</sub> , m <sub>b0</sub> , m <sub>c0</sub> , ..., m <sub>d0</sub> }
1	{m <sub>a1</sub> , m <sub>b1</sub> , m <sub>c1</sub> , ..., m <sub>d1</sub> }
...	...
ordinal <sub>m</sub> (m <sub>w</sub> )	m <sub>w</sub>
...	...
ordinal <sub>m</sub> (m <sub>z</sub> )	m <sub>z</sub>
...	...
max <sub>m</sub>	m <sub>d max m</sub>

FIG. 16

12/25

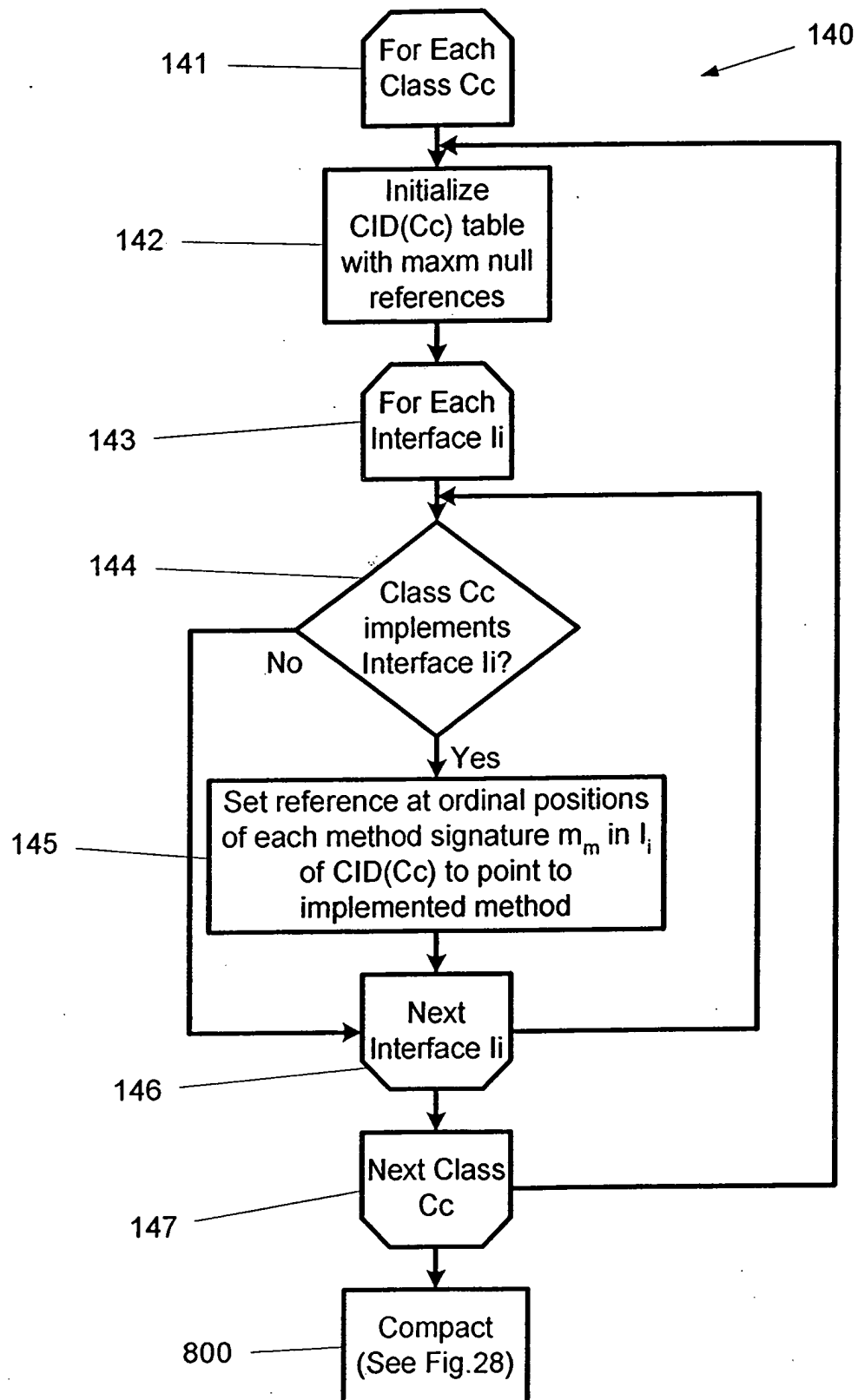
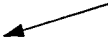


FIG. 17

148



CD(C)	
ordinal	@
0	null
1	null
...	...
$\text{ordinal}_m(m_z)$	@ $m_z$
...	...
$\text{ordinal}_m(m_w)$	@ $m_w$
...	...
$\max_{mi}$	null

FIG. 18

14/25

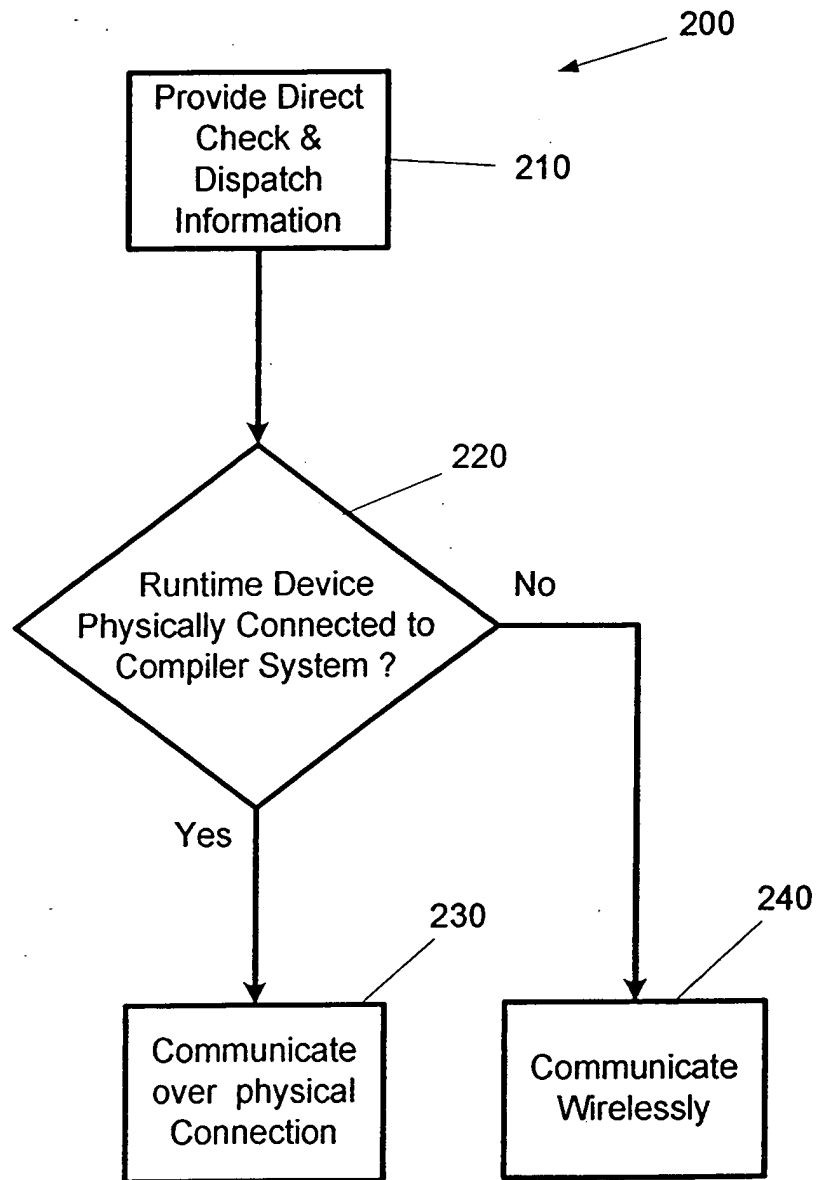


FIG. 19

15/25

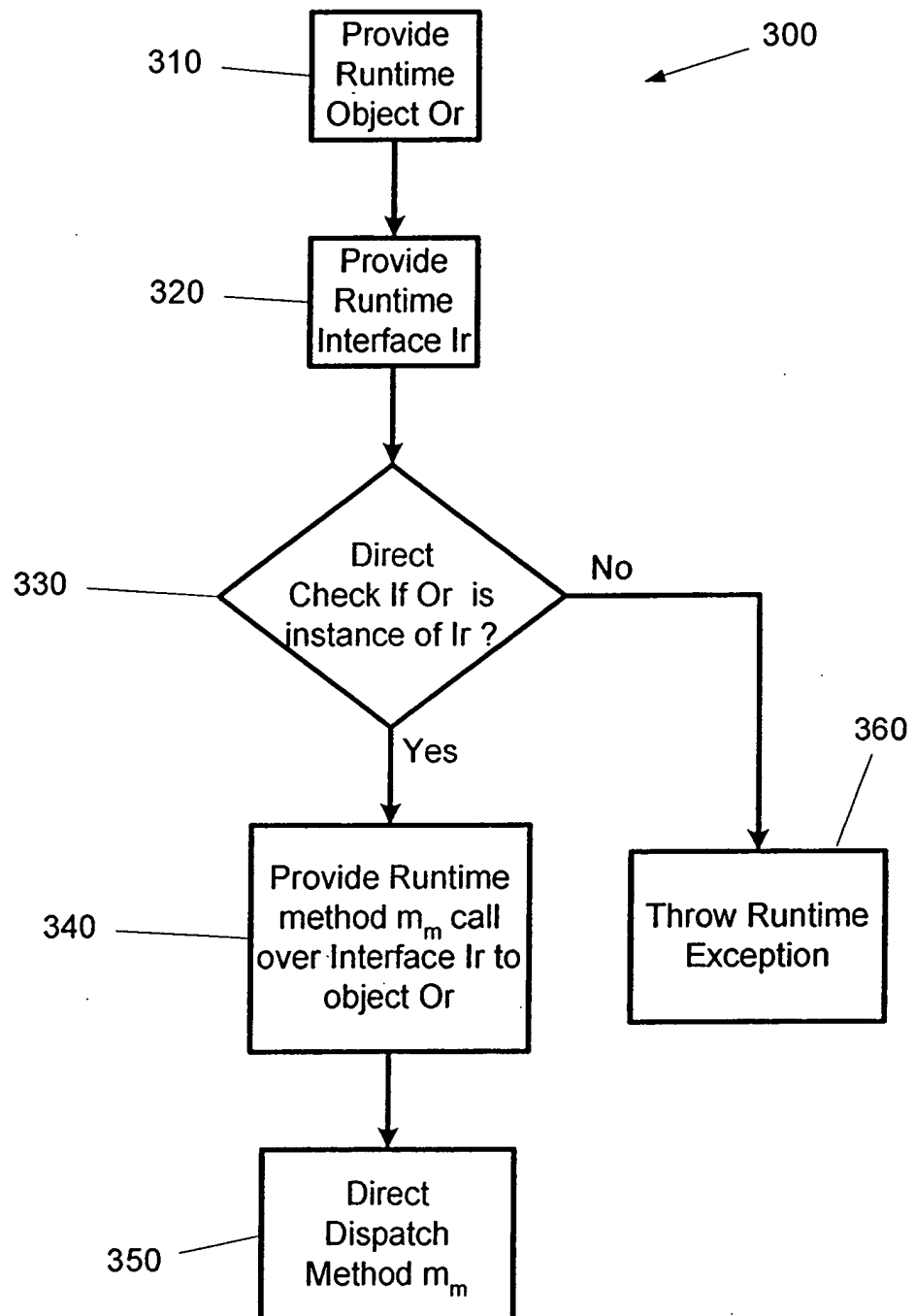


FIG. 20

16/25

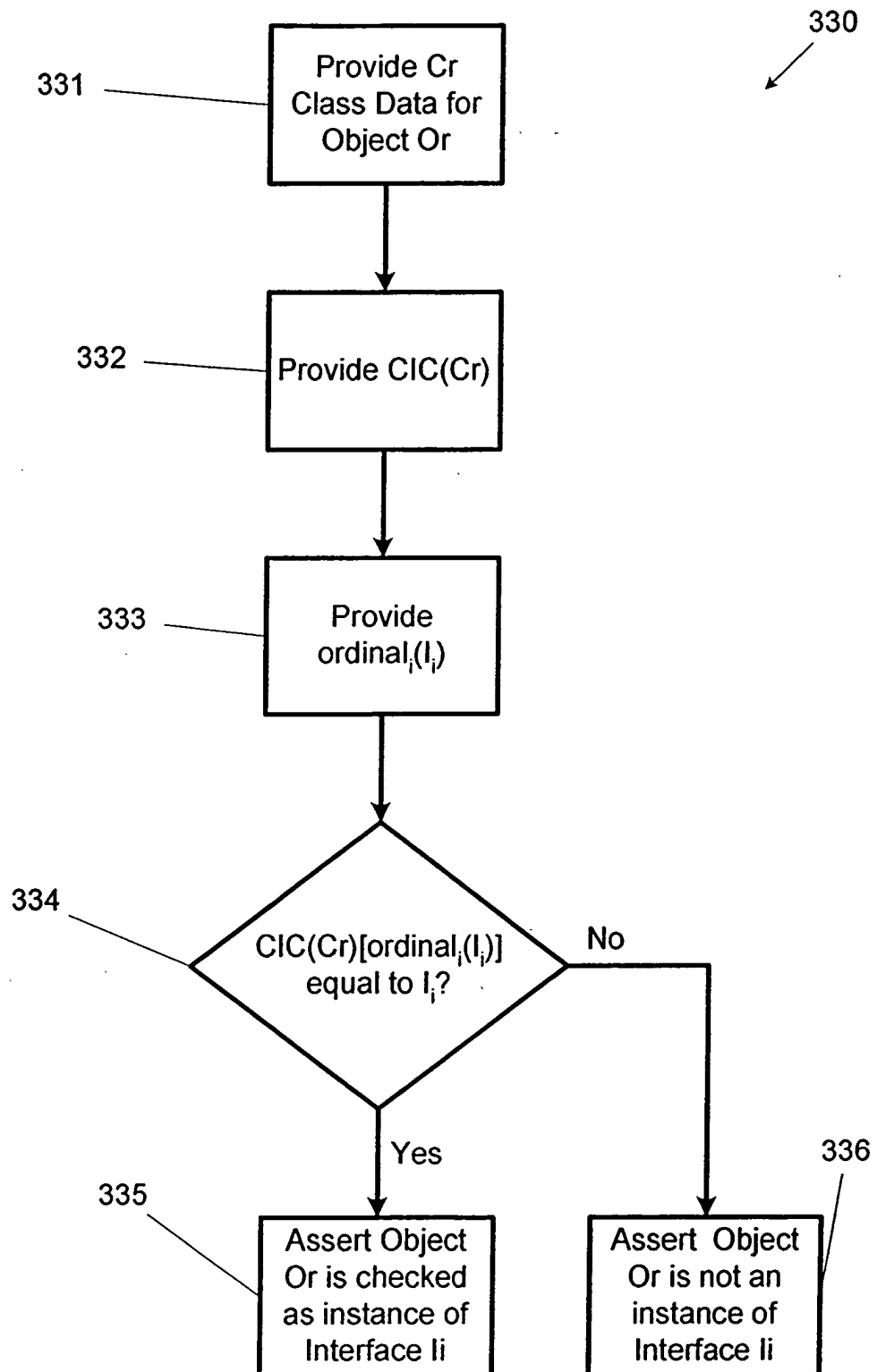


FIG. 21



17/25

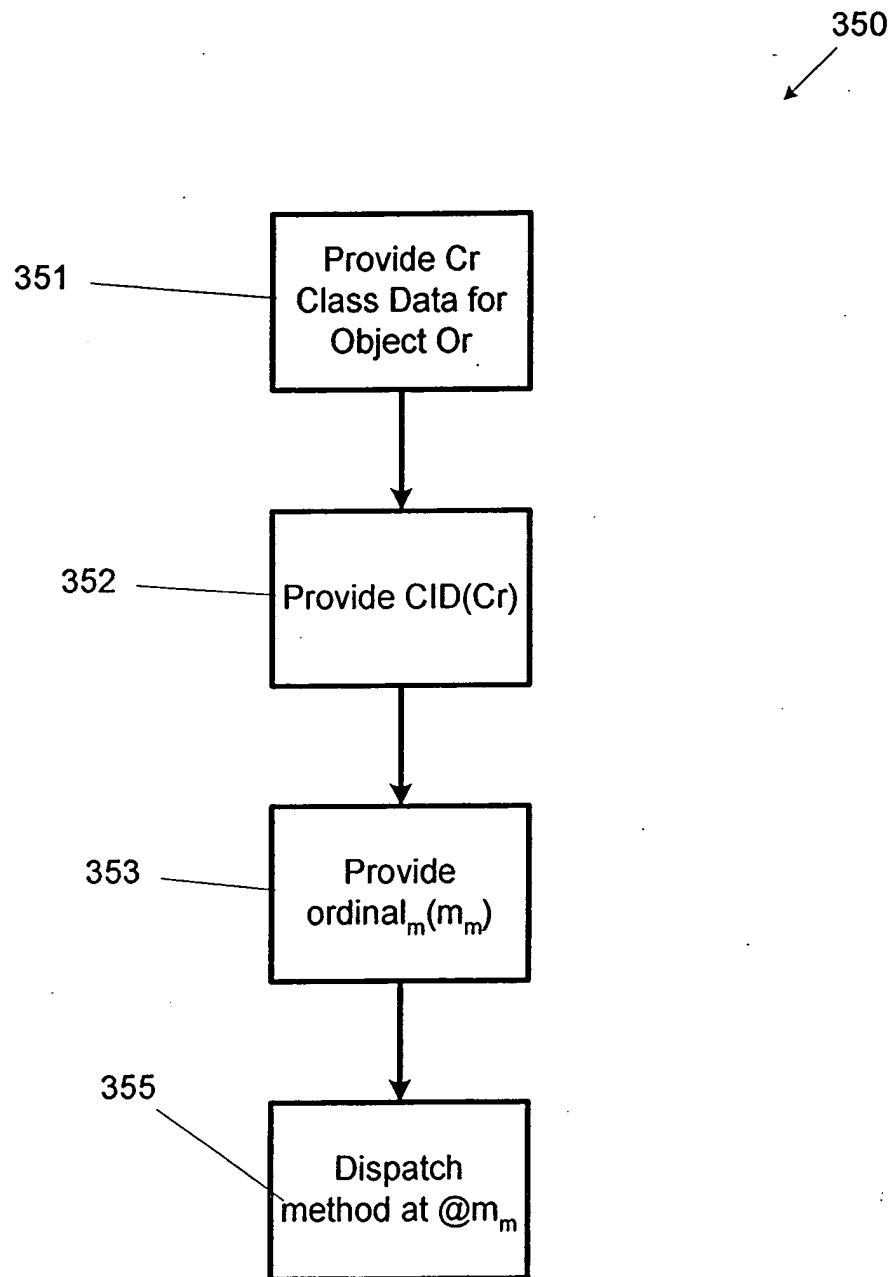


FIG. 22

18/25

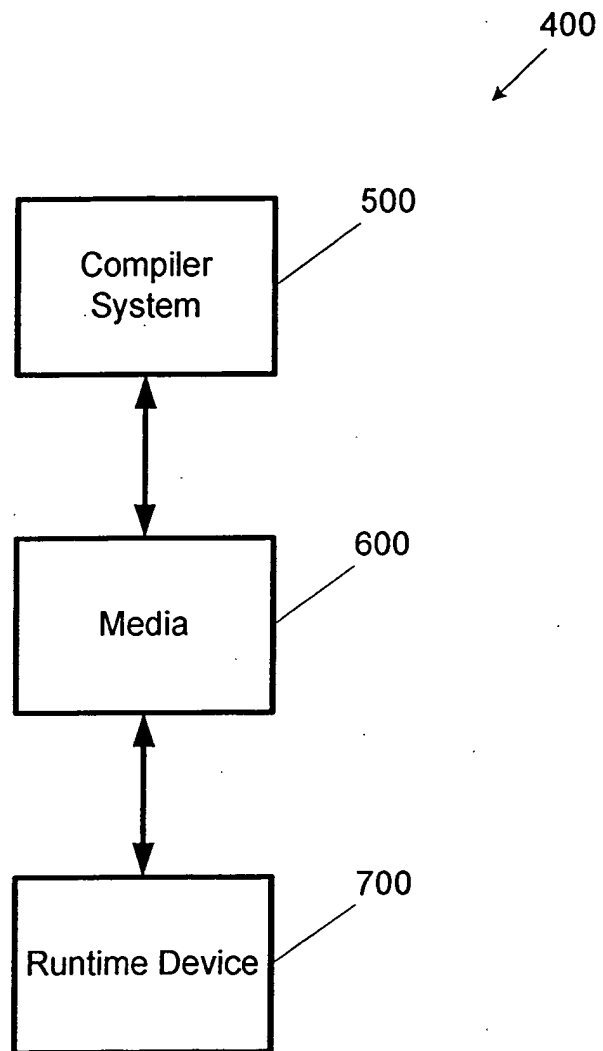


FIG. 23

19/25

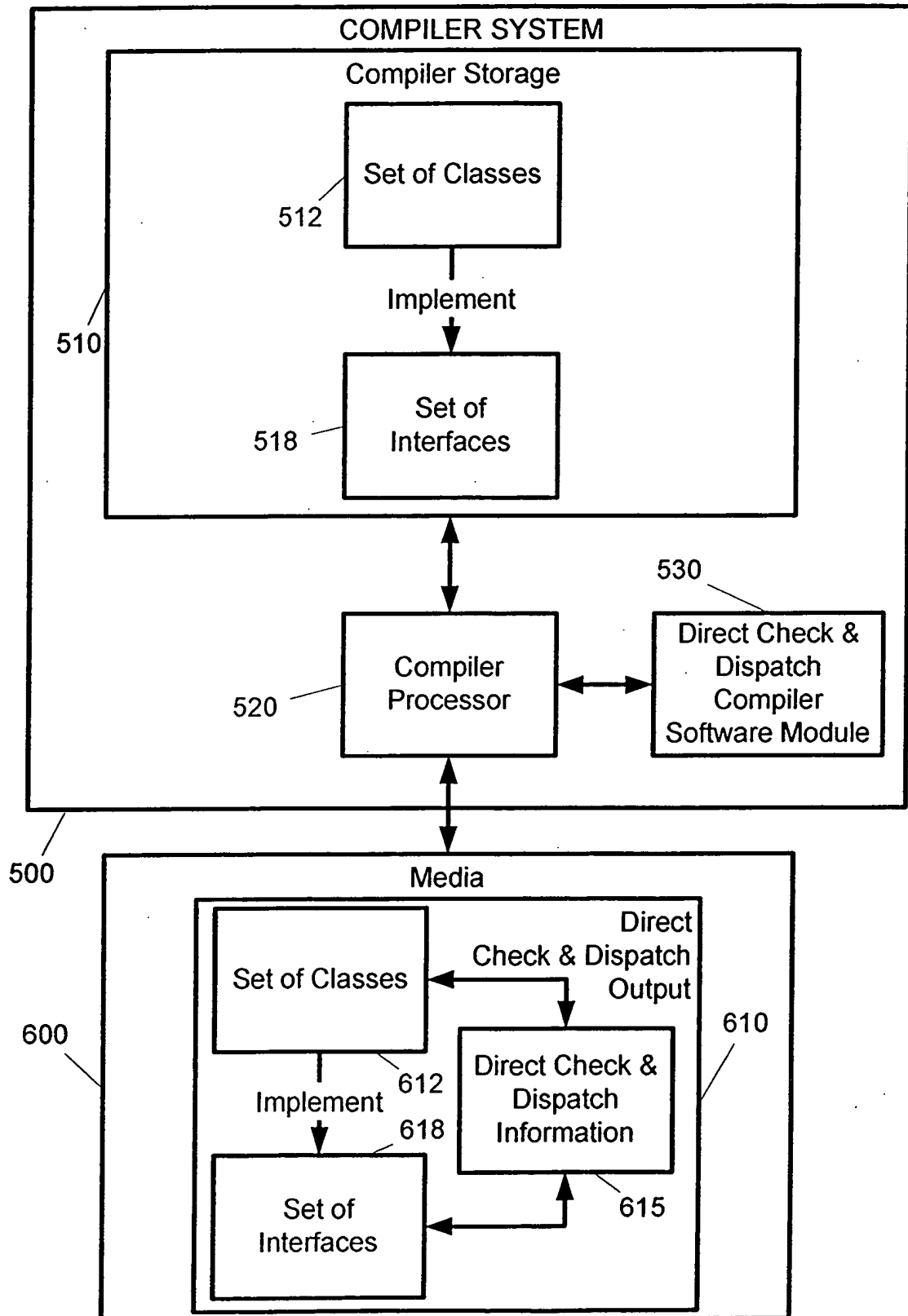
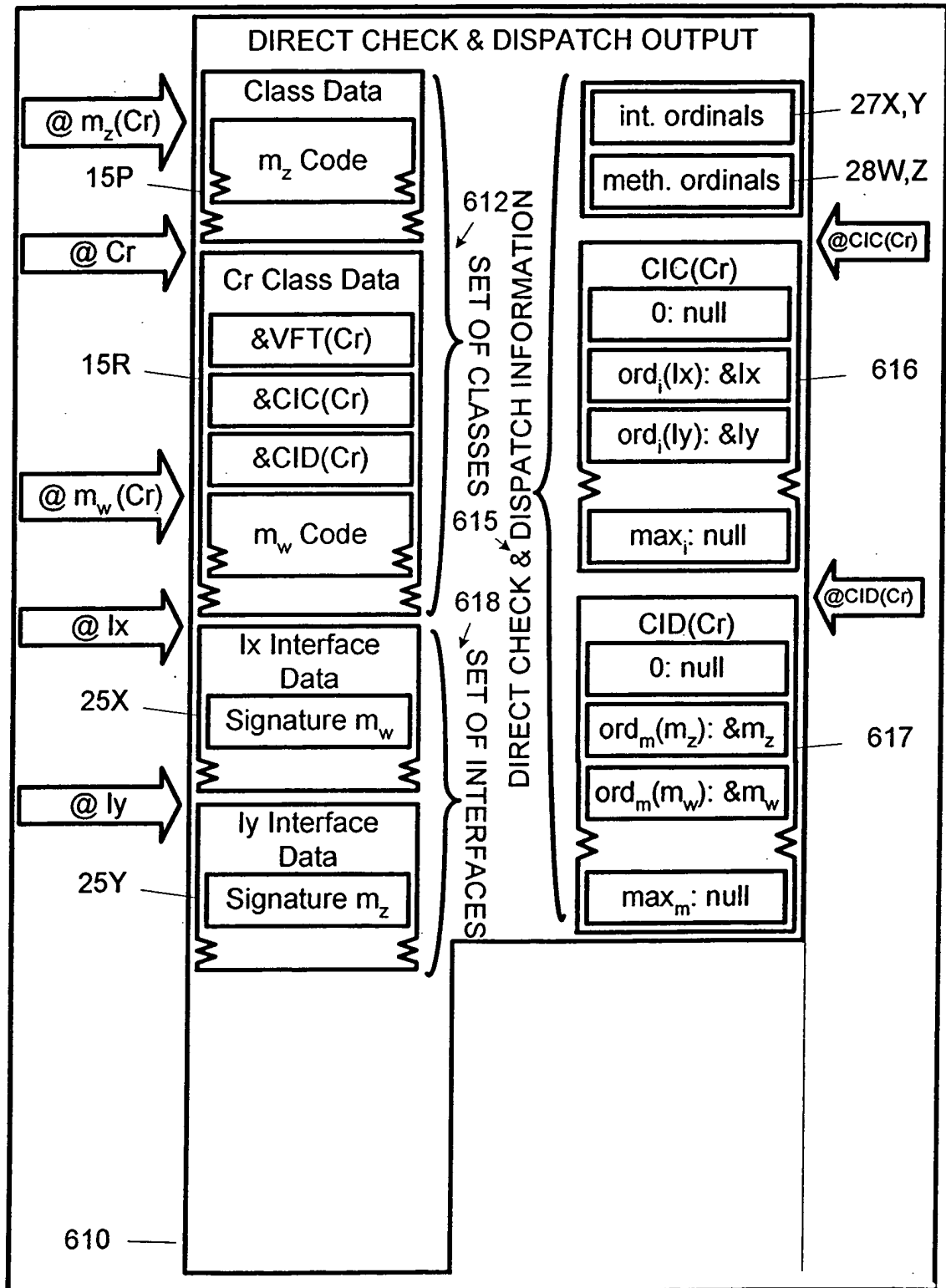


FIG. 24

20/25

MEDIA



21/25

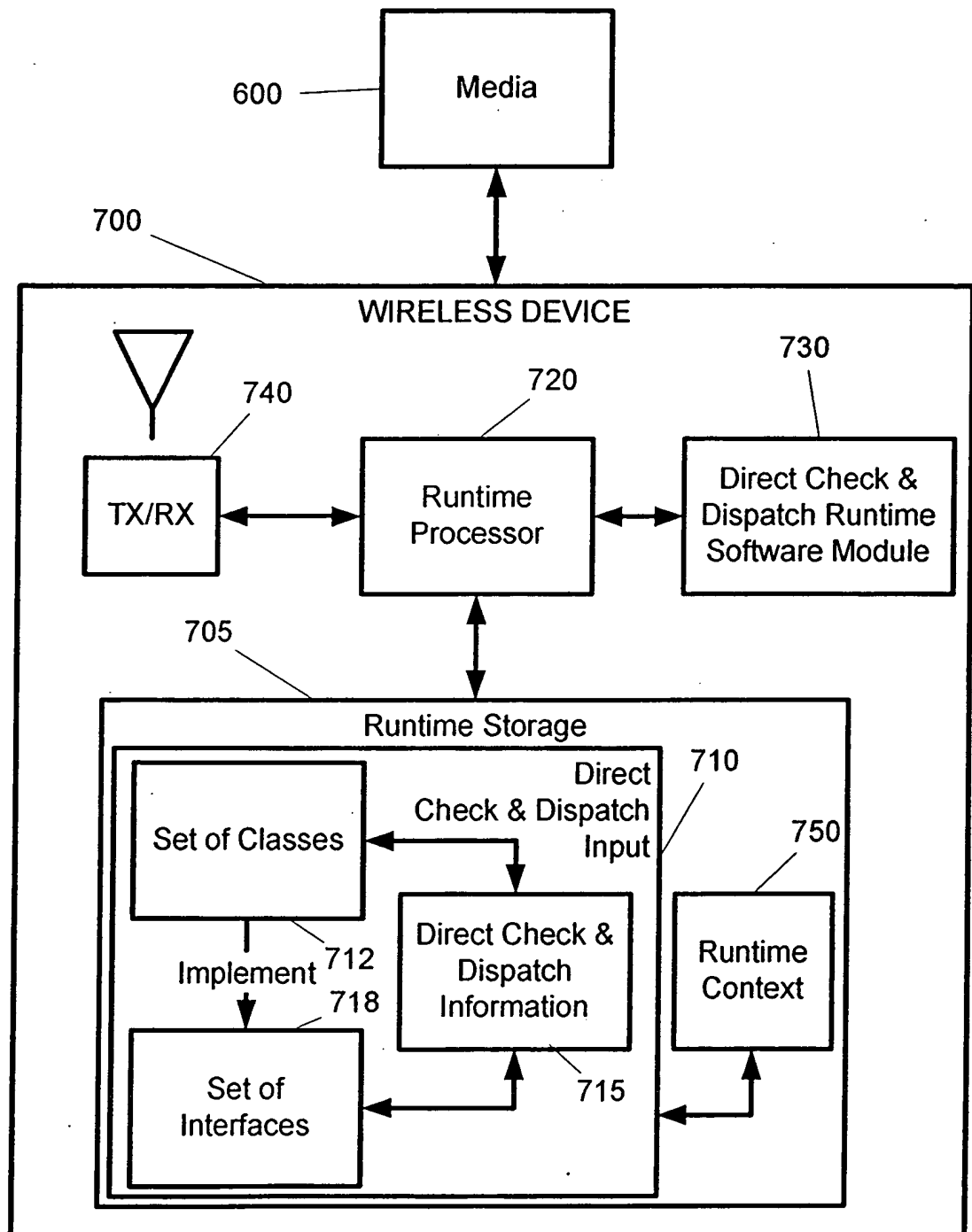
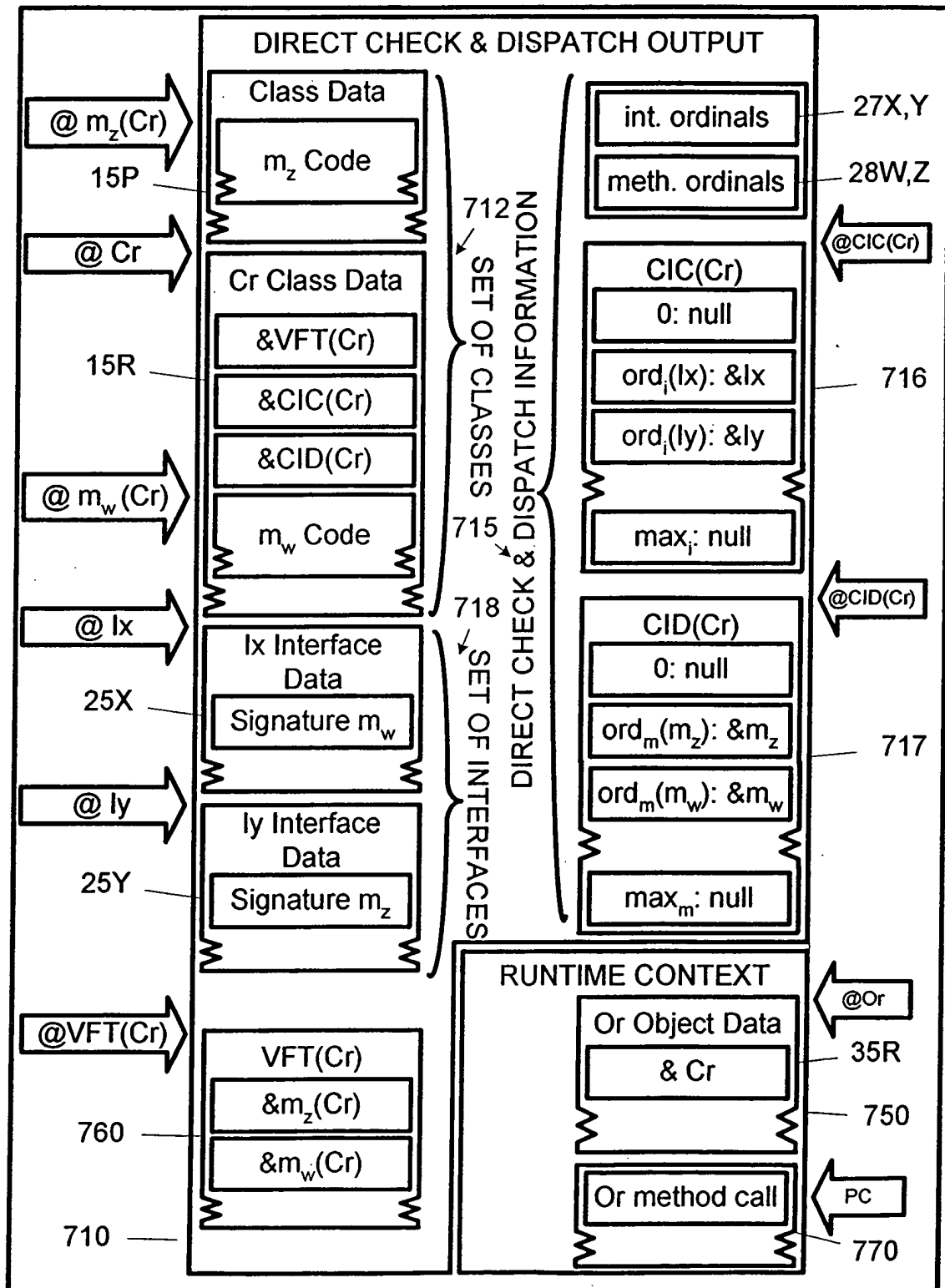


FIG. 26

22/25

## RUNTIME STORAGE



705

FIG. 27

23/25

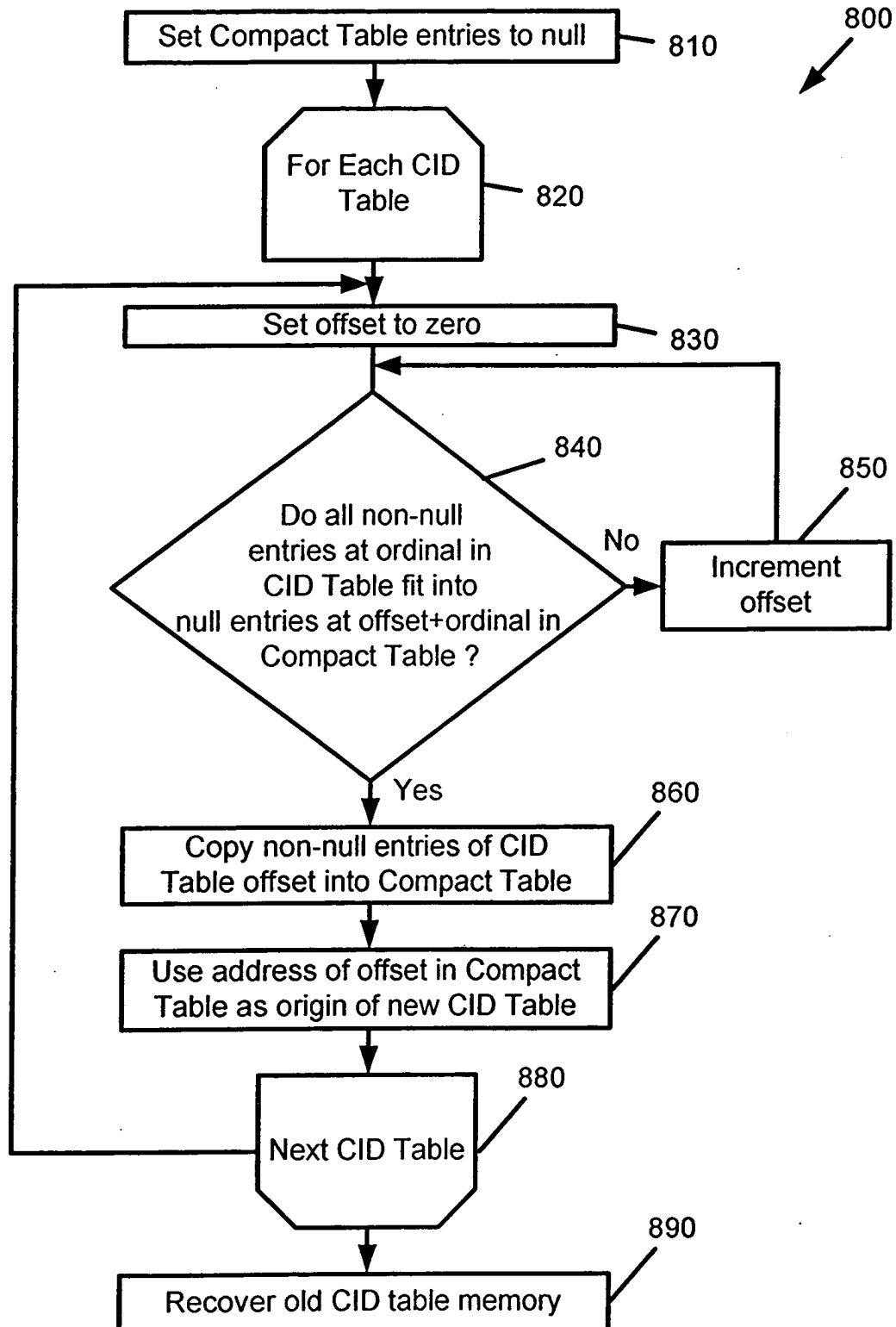


FIG. 28

24/25

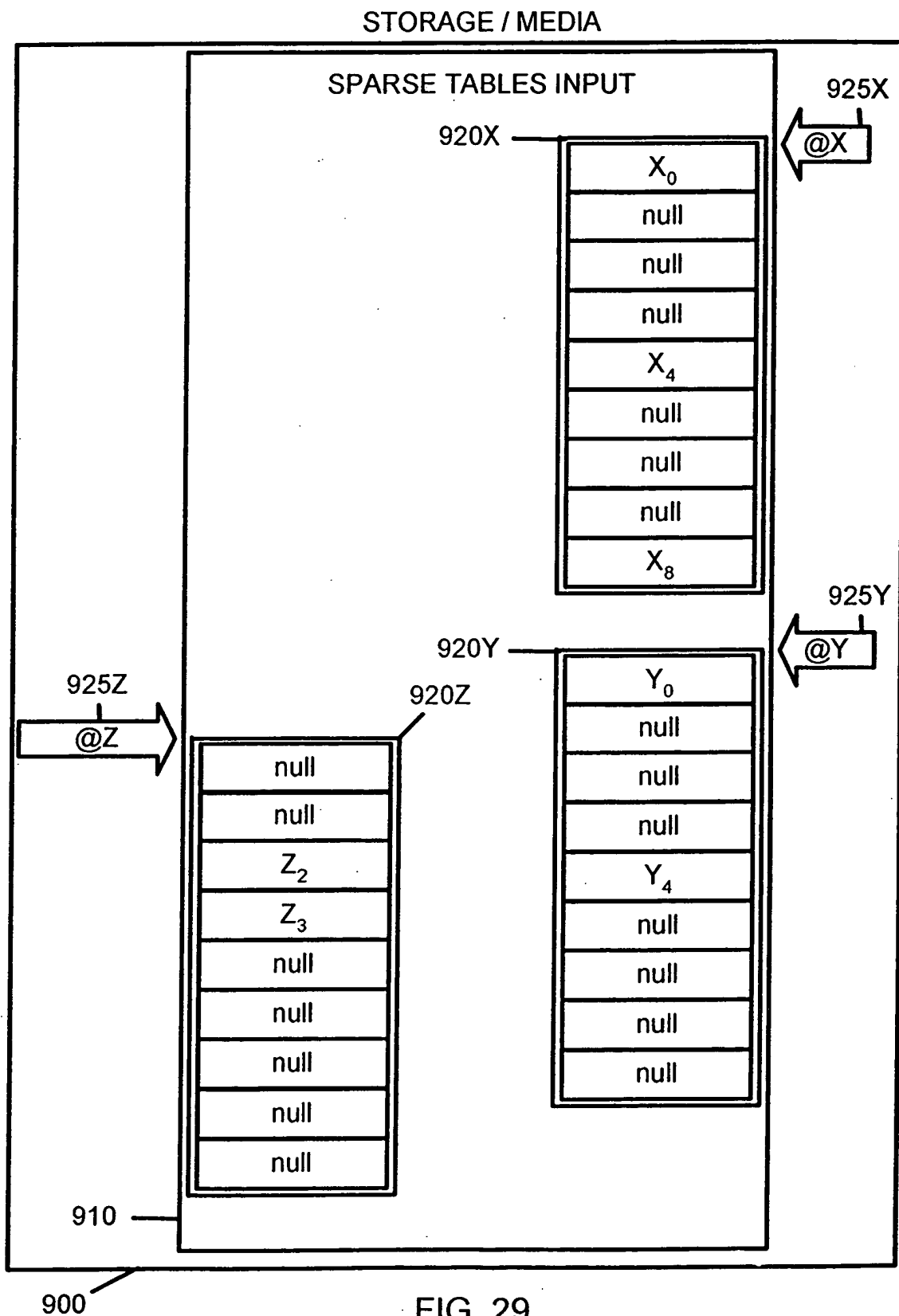


FIG. 29



25/25

## STORAGE / MEDIA

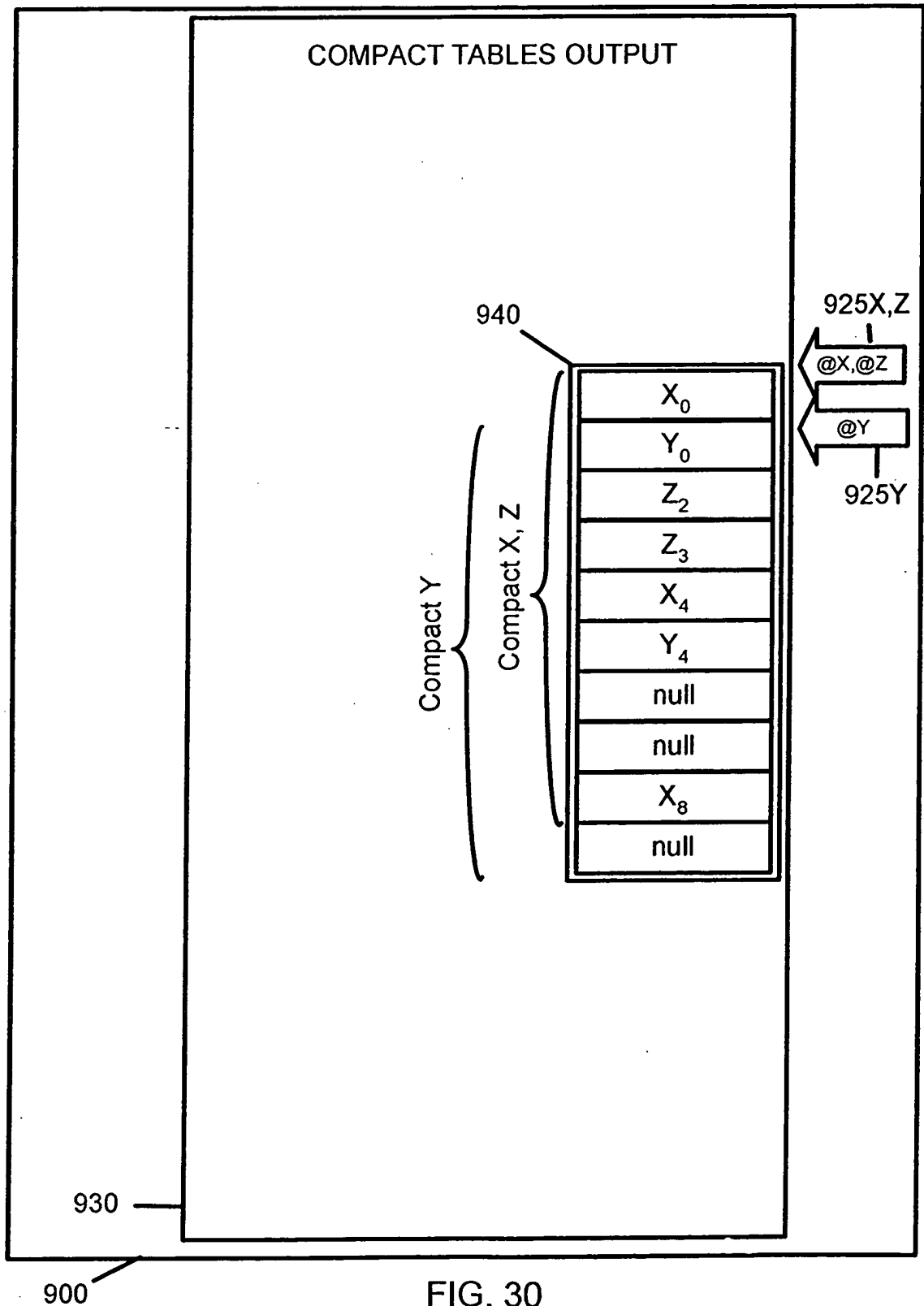


FIG. 30

**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

**BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☒ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☒ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**